

BPL as currently envisioned can seriously damage existing radio communications. While increasing availability to broadband digital to the home is a good cause, proper use of technology needs to be the requirement. The AC Mains system used in this country was never designed to carry high frequency signals, only 60 Hertz. This "ancient" transmission system will radiate with little difficulty over large areas along the system. The choice of spectrum used also is the greatest propagator of radio signals via the ionosphere, causing this problem to become an international one as well.

The ARRL has done tests in areas currently testing BPL at the current part 15 limits. As shown on their video taping, neighborhoods are totally swamped with broadband noise that eliminates all other communications in the area. As an Amateur Radio Operator and an SWL, my use of communications would be eliminated.

Amateur Radio has been designated as an important part of homeland security. BPL would severely damage that capability, counter to the good of this country.

I applaud the desire to have better access, just base it on sound technology that is a step forward and not a source of damage to others.